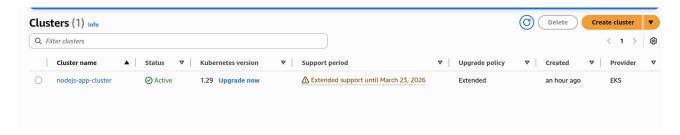
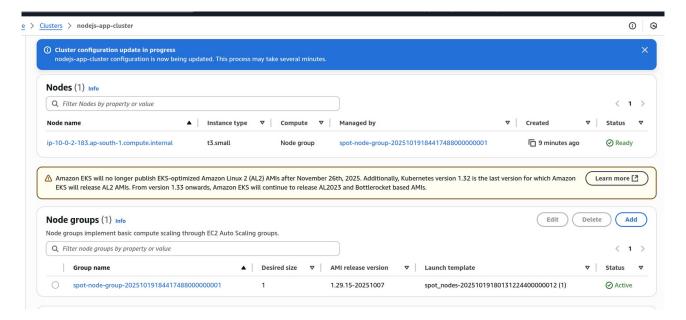
1. Cluster -



2. Spot instance -



3. Spot instance on cli as k8s node -

```
$ sudo kubectl get nodes
NAME STATUS ROLES AGE VERSION
ip-10-0-2-183.ap-south-1.compute.internal Ready <none> 18m v1.29.15-eks-113cf36
$ _
```

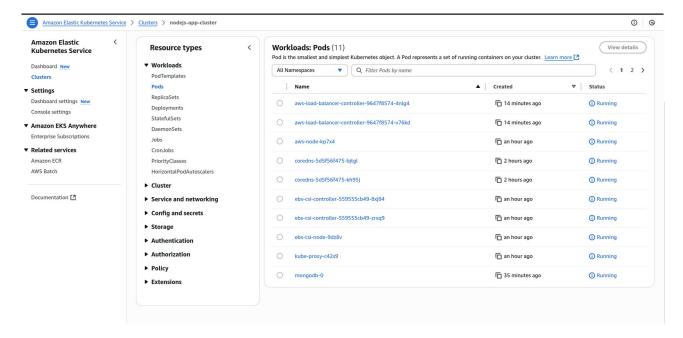
4. Deploy mongodb -

5. Deploy nodejs -

```
$ sudo kubectl apply -f nodejs-deployment.yaml
service/nodejs-service created
deployment.apps/nodejs-app-deployment created
$ sudo kubectl get pods
NAME
                                           READY
                                                   STATUS
                                                                        RESTARTS
                                                                                    AGE
                                           1/1
                                                   Running
mongodb-0
                                                                                    80s
                                           0/1
nodejs-app-deployment-56c95c79b4-7xxx9
                                                   ContainerCreating
                                                                                    6s
                                                                        0
$ sudo kubectl get pods
NAME
                                           READY
                                                   STATUS
                                                              RESTARTS
                                                                         AGE
                                                                         102s
mongodb-0
                                           1/1
                                                   Running
                                                              0
nodejs-app-deployment-56c95c79b4-7xxx9
                                                   Running
                                                              0
                                                                         28s
```

6. Deploy alb -

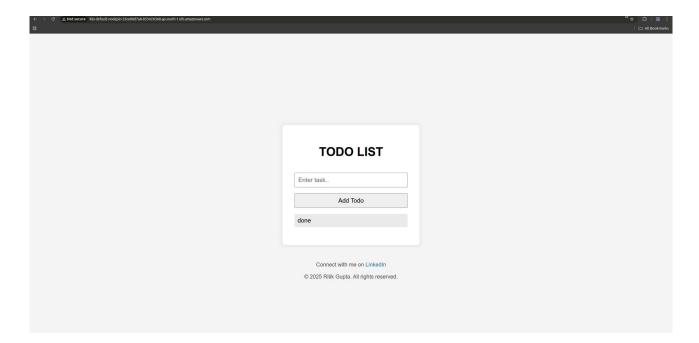
```
$ sudo kubectl apply -f ingress.yaml
Warning: annotation "kubernetes.io/ingress.class" is deprecated, please use 'spec.ingressClassName' instead
ingress.networking.k8s.io/nodejs-ingress created
$ _
```



```
sudo kubectl describe ingress nodejs-ingress
mme: nodejs-ingress
                       <none>
default
Namespace:
Address:
                       k8s-default-nodejsin-33ce08d7a8-853426368.ap-south-1.elb.amazonaws.com
Ingress Class:
Default backend:
                       <default>
 Host
                 / nodejs-service:80 (10.0.2.91:3000) alb.ingress.kubernetes.io/scheme: internet-facing alb.ingress.kubernetes.io/target-type: ip
 nnotations:
                  kubernetes.io/ingress.class: alb
 vents:
 Normal
            SuccessfullyReconciled
                                           8m16s ingress Successfully reconciled
  sudo kubectl get ingress nodejs-ingress
ME CLASS HOSTS ADDRESS
                                            ADDRESS
                                                                                                                                             PORTS
                                            k8s-default-nodejsin-33ce08d7a8-853426368.ap-south-1.elb.amazonaws.com
 odejs-ingress
                     <none>
```

8. Access the endpoint -





9. Datadog alert -



10. Delete resources -